

## **Abstract**

### **Effect of Test Specimen Shape and Size On Interlaminar Tensile Properties of Advanced Carbon-Carbon Composites**

Author: Wallace L. Vaughn

Affiliation: NASA Langley Research Center, Hampton, Virginia 23681

The interlaminar tensile strength of 1000-tow T-300 fiber ACC-6 carbon-carbon composites was measured using the method of bonding the coupons to adherends at room temperature. The size, 0.70 to 1.963 inches maximum width or radius, and shape, round or square, of the test coupons were varied to determine if the test method was sensitive to these variables. Sixteen total variations were investigated and the results modeled.